

DOE/RL- 88- 21

Nonradioactive Dangerous Waste Landfill

Rev. 4, 6/30/94

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e. 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	I. EPA/STATE I.D. NUMBER <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td>W</td><td>A</td><td>7</td><td>8</td><td>9</td><td>0</td><td>0</td><td>0</td><td>8</td><td>9</td><td>6</td><td>7</td></tr></table>	W	A	7	8	9	0	0	0	8	9	6	7
W	A	7	8	9	0	0	0	8	9	6	7			
FOR OFFICIAL USE ONLY														
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	COMMENTS												
		Pending Approval												
II. FIRST OR REVISED APPLICATION														
<p>Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.</p>														
<div style="display: flex; justify-content: space-between;"><div style="width: 48%;"><p>A. FIRST APPLICATION (place an "X" below and provide the appropriate date)</p><div style="display: flex; justify-content: space-between;"><div style="width: 48%;"><p><input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)</p><table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 33%; text-align: center;">MO.</td><td style="width: 33%; text-align: center;">DAY</td><td style="width: 33%; text-align: center;">YEAR</td></tr><tr><td style="text-align: center;">01</td><td style="text-align: center;">01</td><td style="text-align: center;">1975</td></tr></table><p style="font-size: 0.8em;">*FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) *The date construction of the Hanford Facility commenced.</p></div><div style="width: 48%;"><p><input type="checkbox"/> 2. NEW FACILITY (Complete item below)</p><table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 33%; text-align: center;">MO.</td><td style="width: 33%; text-align: center;">DAY</td><td style="width: 33%; text-align: center;">YEAR</td></tr><tr><td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td></tr></table><p style="font-size: 0.8em;">FOR NEW FACILITIES, PROVIDE THE DATE, (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN</p></div></div></div></div> <div style="width: 48%;"><p><input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT</p><p><input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT</p></div>			MO.	DAY	YEAR	01	01	1975	MO.	DAY	YEAR			
MO.	DAY	YEAR												
01	01	1975												
MO.	DAY	YEAR												

LINE NUMBER	CODE (from list above)	1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY			
X-1	S02	600	G				
X-2	T03	20	E				
1	D81	5	A				
2							
3							
4							
5							
6							
7							
8							
9							
10							

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (CODE "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

D81

The Nonradioactive Dangerous Waste Landfill (NRDWL) is located approximately 3.5 miles southeast of the 200 East Area. The NRDWL was used for disposal of nonradioactive dangerous waste from January 1975 through May 1985. The NRDWL provided disposal of dangerous waste generated from process operations, research and development laboratories, maintenance activities, and transportation functions located throughout the Hanford Site. The NRDWL is a 10 acre land disposal unit that consists of 19 unlined trenches (trenches 18N, 24, and 32 were not used for disposal) approximately 400 feet long, 16 feet wide at the base, and 15 feet deep. Six trenches (trenches 19N, 26, 28, 31, 33, and 34) were used for disposal of dangerous waste. Asbestos was disposed of in nine trenches (trenches 2N, 20, 21, 22, 23, 25, 27, 29, and 30). Nonhazardous waste was disposed of in trench 1N. The dangerous waste trenches of NRDWL have a total design capacity of 5 acre-feet.

IV. DESCRIPTION OF DANGEROUS WASTES

A. **DANGEROUS WASTE NUMBER** - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describe the characteristics and/or the toxic contaminants of those dangerous wastes.

B. **ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. **UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.

3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

L I N E .	A. DANGEROUS WASTE NO. <i>(enter code)</i>	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE <i>(enter code)</i>	D. PROCESSES				
	1. PROCESS CODES <i>(enter)</i>				2. PROCESS DESCRIPTION <i>(if a code is not entered in D(1))</i>			
X-1	K054	900	P	T03	D80			
X-2	D002	400	P	T03	D80			
X-3	D001	100	P	T03	D80			
X-4	D002			T03	D80			<i>included with above</i>
1	D001	24,345	K	D81				Disposal/Landfill
2	D002	13,433	K	D81				Disposal/Landfill
3	D003	17,630	K	D81				Disposal/Landfill
4	D004	1.5	K	D81				Disposal/Landfill
5	D005	13	K	D81				Disposal/Landfill
6	D006	933	K	D81				Disposal/Landfill
7	D007	172	K	D81				Disposal/Landfill
8	D008	120	K	D81				Disposal/Landfill
9	D009	102	K	D81				Disposal/Landfill
10	D010	30	K	D81				Disposal/Landfill
11	D011	1	K	D81				Disposal/Landfill
12	D018	305	K	D81				Disposal/Landfill

13	D019	94	K	D81				Disposal/Landfill
14	D022	31	K	D81				Disposal/Landfill
15	D039	205	K	D81				Disposal/Landfill
16	D040	631	K	D81				Disposal/Landfill
17	F001	960	K	D81				Disposal/Landfill
18	F002	86	K	D81				Disposal/Landfill
19	F003	92	K	D81				Disposal/Landfill
20	F004	8	K	D81				Disposal/Landfill
21	F005	3,622	K	D81				Disposal/Landfill
22	U001	4	K	D81				Disposal/Landfill
23	U002	25	K	D81				Disposal/Landfill
24	U003	5	K	D81				Disposal/Landfill
25	U009	1	K	D81				Disposal/Landfill
26	U012	11	K	D81				Disposal/Landfill
27	U019	362	K	D81				Disposal/Landfill
28	U022	180	K	D81				Disposal/Landfill
29	U031	6	K	D81				Disposal/Landfill
30	U044	45	K	D81				Disposal/Landfill
31	U051	20	K	D81				Disposal/Landfill
32	U053	1	K	D81				Disposal/Landfill
33	U056	13	K	D81				Disposal/Landfill
34	U069	3	K	D81				Disposal/Landfill
35	U070	2	K	D81				Disposal/Landfill
36	U077	10	K	D81				Disposal/Landfill
37	U080	50	K	D81				Disposal/Landfill
38	U092	6,800	K	D81				Disposal/Landfill
39	U093	6	K	D81				Disposal/Landfill
40	U107	120	K	D81				Disposal/Landfill
41	U108	80	K	D81				Disposal/Landfill
42	U117	15	K	D81				Disposal/Landfill
43	U122	31	K	D81				Disposal/Landfill
44	U123	82	K	D81				Disposal/Landfill
45	U133	315	K	D81				Disposal/Landfill
46	U134	39	K	D81				Disposal/Landfill
47	U142	1	K	D81				Disposal/Landfill
48	U144	9	K	D81				Disposal/Landfill
49	U151	156	K	D81				Disposal/Landfill
50	U154	21	K	D81				Disposal/Landfill
51	U159	203	K	D81				Disposal/Landfill
52	U161	10	K	D81				Disposal/Landfill
53	U169	8	K	D81				Disposal/Landfill
54	U188	3	K	D81				Disposal/Landfill
55	U196	12	K	D81				Disposal/Landfill
56	U201	1	K	D81				Disposal/Landfill
57	U210	205	K	D81				Disposal/Landfill
58	U211	94	K	D81				Disposal/Landfill
59	U213	157	K	D81				Disposal/Landfill
60	U219	13	K	D81				Disposal/Landfill
61	U220	3,404	K	D81				Disposal/Landfill
62	U226	1	K	D81				Disposal/Landfill
63	U228	632	K	D81				Disposal/Landfill
64	U239	14	K	D81				Disposal/Landfill
65	P010	1	K	D81				Disposal/Landfill

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The quantities of waste identified in Description of Dangerous Waste, item IV.B., represents the estimated total quantity of waste disposed of in the NRDWL, rather than an annual estimate.

V. FACILITY DRAWING **Refer to attached drawing(s).**

VI. PHOTOGRAPHS **Refer to attached photograph(s).**

All existing facilities must include photographs (*arial or ground-level*) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (*see instructions for more detail*).

VII. FACILITY GEOGRAPHIC LOCATION **This information is provided on the attached drawing(s) and photograph(s).**

LATITUDE (<i>degrees, minutes, & seconds</i>)					LONGITUDE (<i>degrees, minutes, & seconds</i>)				

VIII. FACILITY OWNER			
<input checked="" type="checkbox"/> A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.			
<input type="checkbox"/> B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:			
1. NAME OF FACILITY'S LEGAL OWNER			2. PHONE NO. (area code & no.)
3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
IX. OWNER CERTIFICATION			
<i>I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.</i>			
NAME (print or type)	SIGNATURE	DATE SIGNED	
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	06/30/1994	
X. OPERATOR CERTIFICATION			
<i>I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.</i>			
NAME (print or type)	SIGNATURE	DATE SIGNED	
SEE ATTACHMENT			

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

6/30/94
Date

Edward S. Keen
Co-Operator
Edward S. Keen, President
Bechtel Hanford, Inc.

6/30/94
Date

[illegible]

39406150.2

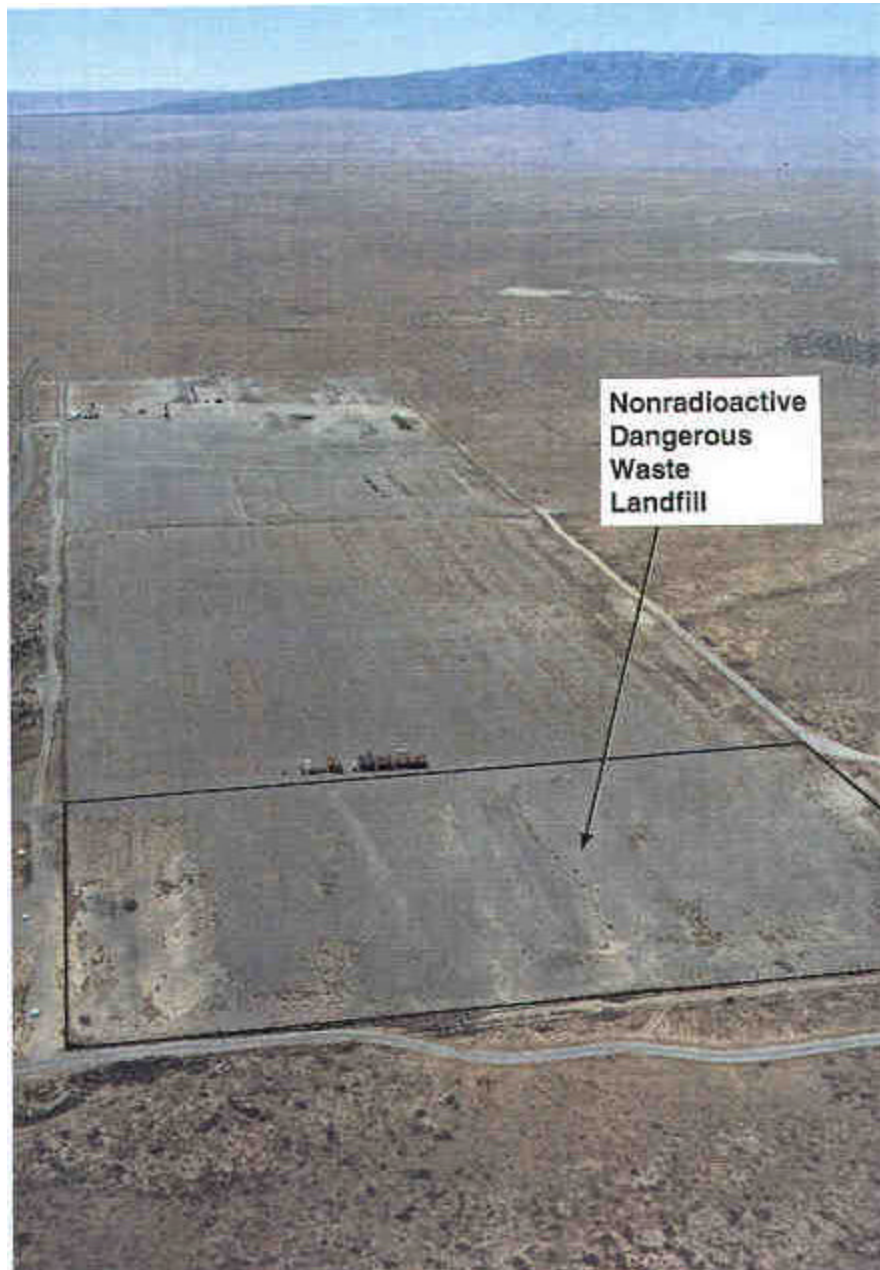
NONRADIOACTIVE DANGEROUS WASTE LANDFILL – 600 AREA



46°30'40"
119°27'50"

8505779-3CN
(PHOTO TAKEN 1985)

NONRADIOACTIVE DANGEROUS WASTE LANDFILL – AERIAL VIEW



46°30'40"
119°27'50"

90062924.1CN
(PHOTO TAKEN 1990)